

Receiving Report

Date: 10/4/23 Batch No: M114482
 Supplier: MAMON Dart P/O: 11727

Packing Slip: Yes ☒ No ☐ Release Note Attached: Yes ☒ No ☐ N/A ☐
 Invoice: Yes ☐ No ☒ Waybill Attached: Yes ☒ No ☐ N/A ☐
 Receipt: Cash ☐ Cr ☒ Shipment Complete: Yes ☒ No ☐ N/A ☐
 QC6 Inspection ☒ N/A ☐
 Work Order 10/4/27 N/A ☐

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments
M303R	0.700	51	48	0	3	computer

Initials of receiver (if shipment OK) Level 12

Production/Admin: 10/4/23
 Date
 Received/Costing
 Initial

Location

Marmon/Keystone Canada Inc.



Specialty Steels

290 Chemin du Tremblay Boucherville QU CAN J4B 5X9 TEL (514) 527 9153 FAX (450) 641 4357

RECEIVED APR 26 2010

Invoice Facture
444930
Invoice Date Date De La Facture
4/22/10

SOLD TO / VENDU A :

DART AEROSPACE LTD
1270 ABERDEEN STREET

HAWKESBURY

ON CAN K6A 1K7

SHIPPED TO / EXPÉDIÉ À :

DART AEROSPACE LTD
1270 ABERDEEN STREET

HAWKESBURY

ON CAN K6A 1K7

PAGE.: 1

SHIP VIA / EXPÉDIÉ PAR TST OVERLAND #222212		F.O.B. / F.A.B. BOUCHERVILLE		G.S.T. / T.P.S. R137204947 Q.S.T. / T.V.Q. 1016343044 TW0001 LE	
YOUR ORDER NO / VOTRE N° DE COMMANDE 11727		SALESPERSON / VENDEUR GHI		MARMON / KEYSTONE # 1087473	
				PROVINCIAL TAX NO N° DE TAXE PROVINCIALE 6122-5207	
ORDERED / COMMANDE	DESCRIPTION	SHIPPED / QUANTITÉ QUANTITY / EXPÉDIÉ	UNIT PRICE / PRIX À L'UNITÉ	AMOUNT / MONTANT	
600 FT	STAINLESS STEEL TUBE A554 FINI MOULIN 304 304 ORN. TUBE 3/4" X 3/4" X .065 A554 STO .750 .750 .065 304APC Cust. part#: M304TS0.750W.065	600 FT 364 LBS 30 Pieces	2.490/FT	1,494.00 ✓	
300 FT	STAINLESS STEEL SEAMLESS TUBE A213/SA213 A.W. POLISHED SMLS TUBE 304L 3/4 X .049 A213 STS .750 .049 304L Cust. part#: M304TR0.750W.049	300 FT 110 LBS 15 Pieces	1.880/FT	564.00 ✓	
200 FT	STAINLESS STEEL SEAMLESS TUBE A213/SA213 A.W. POLISHED SMLS TUBE 304L 1/2 X .035 A213 STS .500 .035 304L Cust. part#: M304TR0.500W.035	200 FT 35 LBS 10 Pieces	.980/FT	196.00 ✓	
24 FT	STAINLESS ROUND BAR A276,A484,A182,A479,A262 304L RD BAR CD 1/4" A276 SBR .250 CD 304L	24 FT 6 IN. 4 LBS 2 Pieces	.380/FT	9.31 02	

RECEIVED APR 30 2010

TERMS: NET 30 DAYS
PLUS 2% PER MONTH
ON ALL OVERDUE
ACCOUNT

TERMES: NET À 30 JOURS
PLUS 2% PAR MOIS
SUR COMPTES EN
SOUFRANCE

FOR CONDITIONS OF SALES REFER TO OUR
WEB PAGE www.mkcacanada.com
VEUILLEZ CONSULTER NOTRE SITE INTERNET
www.mkcacanada.com POUR LES CONDITIONS DE VENTE.

PAYMENT OF THIS INVOICE IS DUE BY
LE RÉGLEMENT DE CETTE FACTURE EST EXIGIBLE AU PLUS TARD LE



A Marmon Distribution Services / Berkshire Hathaway Company

G.S.T.
T.P.S.
H.S.T.

PROVINCIAL TAX
TAXE PROVINCIALE

Marmon/Keystone Canada Inc.

**Specialty Steels**

290 Chemin du Tremblay Boucherville QU CAN J4B 5X9 TEL (514) 527 9153 FAX (450) 641 4357

**Invoice
Facture**

444930

**Invoice Date
Date De La Facture**

4/22/10

SOLD TO / VENDU A :DART AEROSPACE LTD
1270 ABERDEEN STREET

HAWKESBURY

ON CAN K6A 1K7

SHIPPED TO / EXPÉDIÉ À :DART AEROSPACE LTD
1270 ABERDEEN STREET

HAWKESBURY

ON CAN K6A 1K7

PAGE.: 2

SHIP VIA / EXPÉDIÉ PAR TST OVERLAND #222212		F.O.B. / F.A.B. BOUCHERVILLE		G.S.T. / T.P.S. R137204947 Q.S.T. / T.V.Q. 1016343044 TW0001 LE		
YOUR ORDER NO / VOTRE N° DE COMMANDE 11727		SALESPERSON / VENDEUR GHI		MARMON / KEYSTONE # 1087473		
				PROVINCIAL TAX NO N° DE TAXE PROVINCIALE 6122-5207		
ORDERED / COMMANDEE	DESCRIPTION			SHIPPED / QUANTITE QUANTITY / EXPÉDIÉE	UNIT PRICE / PRIX À L'UNITÉ	AMOUNT / MONTANT
24 FT	Cust. part#: M304R.250 STAINLESS ROUND BAR A582 SBR .500 CD 303			24 FT 2 IN. 16 LBS 2 Pieces	1.540/FT	37.22 <i>CL</i>
51 FT	Cust. part#: M303R0.500 STAINLESS ROUND BAR A582 SBR .750 CD 303			48 FT 8 IN. 73 LBS 4 Pieces	3.600/FT	175.20 <i>Q</i>
RECEIVED APR 26 2010						
Energy Surcharge						12.20
ORIGINAL INVOICE / FACTURE ORIGINALE						
TERMS: NET 30 DAYS PLUS 2% PER MONTH ON ALL OVERDUE ACCOUNT						
TERMES: NET À 30 JOURS PLUS 2% PAR MOIS SUR COMPTES EN SOUFFRANCE						
FOR CONDITIONS OF SALES REFER TO OUR WEB PAGE www.mkcanada.com VEUILLEZ CONSULTER NOTRE SITE INTERNET www.mkcanada.com POUR LES CONDITIONS DE VENTE.						
PAYMENT OF THIS INVOICE IS DUE BY LE RÈGLEMENT DE CETTE FACTURE EST EXIGIBLE AU PLUS TARD LE						
05/24/2010						
G.S.T. T.P.S. H.S.T.						124.40
PROVINCIAL TAX TAXE PROVINCIALE						.00
						2,612.33



A Marmon Distribution Services/Berkshire Hathaway Company

Purchase Order Receipt Listing

April 23, 2010 2:20:10 PM

Page 1 of 1

All amounts are calculated in domestic currency.

All Vendors PO ID PO11727 Receipt Dates from 4/23/2010 to 4/23/2010 All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID\Vendor Name VC-MAR001 Marmon/Keystone Canada Ltd.											
PO11727	1		M304TS0.750W.065 f		4/23/2010	4/23/2010	600.0000	\$2.49	0.0000	0 ✓	\$1,494.00
CAD	No		304 SQ Tube f		600.0000	DCUSER		\$1,494.00	0.0000	0	
			.75x.75x.065W								
			114482								
	2		M304TR0.750W.049 f		4/23/2010	4/23/2010	300.0000	\$1.88	0.0000	0 ✓	\$564.00
	No		304 RD Tube .750 x f		300.0000	DCUSER		\$564.00	0.0000	0	
			.049W								
			114482								
	3		M304TR0.500W.035 f		4/23/2010	4/23/2010	200.0000	\$0.98	0.0000	0 ✓	\$196.00
	No		304 RD Tube .500 x f		200.0000	DCUSER		\$196.00	0.0000	0	
			.035W								
			114482								
	4		M304R.250 f		4/23/2010	4/23/2010	24.0000	\$0.38	0.0000	0	CL \$9.12
	No		304 SS Round bar f		24.0000	DCUSER		\$9.12	0.0000	0	
			.250								
			114482								
	5		M303R0.500 f		4/23/2010	4/23/2010	24.0000	\$1.54	0.0000	0	CL \$36.96
	No		303 Round Bar f		24.0000	DCUSER		\$36.96	0.0000	0	
			0.500"								
			114482								
	6		M303R0.750 f		4/23/2010	4/23/2010	48.0000	\$3.60	0.0000	0	CL \$172.80
	No		303 Round Bar 0.750 f		51.0000	DCUSER		\$172.80	0.0000	0	
			114482								

Total Received Quantity: 1,196.0000

Total Qty to Inspect (PO U/M): 0.0000

Total Reject Quantity: 0.0000

Total Receipt Value: \$2,472.88

Total Balance Due Quantity: 3.0000

Marmon/Keystone Canada Inc.



Specialty Steels

PACKING SLIP

290 Chemin du Tremblay
Boucherville QU CAN J4B 5X9
TEL. 514/527-9153
FAX. 450/641-4357

PAGE... 1
Order : 1087473
Date... 04/22/2010

SOLD-TO: _____

SHIPPED TO: _____

DART AEROSPACE LTD
1270 ABERDEEN STREET

DART AEROSPACE LTD
1270 ABERDEEN STREET

HAWKESBURY ON CAN K6A 1K7

HAWKESBURY ON CAN K6A 1K7

SHIP VIA
TST OVERLAND #222212

F.O.B.
BOUCHERVILLE

SALESPERSON
G. Dulude

YOUR ORDER NO.
11727

Ordered	Description	Number Pieces	Quantity Shipped	Back Ordered
	Fax all papers to Linda Lacelle 613-632-1053 Mill tests required with all shipment			
01	STAINLESS STEEL TUBE A554 304 ORN. TUBE 3/4" X 3/4' X .065 A554 STO .750 .750 .065 304APC Tariff Number: 7306.40.90.10 Cust. part#: M304TS0.750W.065 HT#..... HT#.....	rev:08/08 17 13 Total... 30	340/FT 260/FT 600/FT	
02	STAINLESS STEEL SEAMLESS TUBE SMLS TUBE 304L 3/4 X .049 A213 STS .750 .049 304L Tariff Number: 7304. Cust. part#: M304TR0.750W.049 HT#.....	TGB090153 Total... 15 15	300/FT 300/FT	
03	STAINLESS STEEL SEAMLESS TUBE SMLS TUBE 304L 1/2 X .035 A213 STS .500 .035 304L Tariff Number: 7304. Cust. part#: M304TR0.500W.035 HT#.....	872-2783 Total... 10 10	200/FT 200/FT	
04	STAINLESS ROUND BAR 304L RD BAR CD 1/4" A276 SBR .250 CD 304L Cust. part#: M304R.250 HT#.....	417162 Total... 2 2	24/FT 6 IN 24/FT 6 IN	
05	STAINLESS ROUND BAR SBR .500 CD 303 Cust. part#: M303R0.500 HT#.....	422802 Total... 2 2	24/FT 2 IN 24/FT 2 IN	
06	STAINLESS ROUND BAR SBR .750 CD 303 Cust. part#: M303R0.750 HT#.....	246473 Total... 4 4	48/FT 8 IN 48/FT 8 IN	

No. of Bdl's/Boxes 0 / 1

Total Weight..... 602

Customers.: _____

11/4/23



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO11727

Purchase Order Date 4/21/10

PO Print Date 4/21/10

Page Number 1 of 2

Order From :

VC-MAR001

FAKED
07/10/4/21

MARMON/KEYSTONE CANADA LTD.
290 CHEMIN DU TREMBLAY
BOUCHERVILLE, QC J4B 5X9
CA

Contact Name

Vendor Phone 800 361 8142

Vendor Fax 450 641 4357

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Ship To :

DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M304TS0.750W.065 <i>M11482</i>	304 SQ Tube .75x.75x.065W	4/23/10 Yes	<input checked="" type="checkbox"/> 600.00 f	TST ground	\$2.4900	\$1,494.00
	<i>ok</i>	Special Inst:	MATERIAL: AISI 304/316 SEAMLESS STAINLESS SQUARE TUBING AS PER A554 MILL FINISH OR ASTM A269 MILL FINISH				
2	M304TR0.750W.049	304 RD Tube .750 x .049W	4/23/10 Yes	<input checked="" type="checkbox"/> 300.00 f	TST ground	\$1.8800	\$564.00
	<i>ok</i>	Special Inst:	MATERIAL: AISI 304/316 SS SEAMLESS ROUND TUBING AS PER ASTM A213 OR ASME SA213 OR ASTM A269				
3	M304TR0.500W.035	304 RD Tube .500 x .035W	4/23/10 Yes	<input checked="" type="checkbox"/> 200.00 f	TST ground	\$0.9800	\$196.00
	<i>ok</i>	Special Inst:	AS ABOVE				

P10/4/23

Change Nbr: 1

Change Date: 4/21/10

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO11727**

Purchase Order Date 4/21/10

PO Print Date 4/21/10

Page Number 2 of 2

Order From :

VC-MAR001

MARMON/KEYSTONE CANADA LTD.
290 CHEMIN DU TREMBLAY
BOUCHERVILLE, QC J4B 5X9
CA

Contact Name

Vendor Phone 800 361 8142

Vendor Fax 450 641 4357

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

QTY	Part Number	Description	Unit Price	Material	Test	Price	Net Price
4	M304R.250	304 SS Round bar .250	4/23/10	24.00	TST ground	\$0.3800	\$9.12
			Yes	f			

Special Inst:

MATERIAL: AISI 304/316 SS ROUND
BAR
NOTE: AISI 303 NOT ACCEPTABLE

5	M303R0.500	303 Round Bar 0.500"	4/23/10	24.00	TST ground	\$1.5400	\$36.96
			Yes	f			

Special Inst:

MATERIAL: AISI 303 SS ROUND BAR
NOTE: AISI 304/316 NOT ACCEPTABLE

6	M303R0.750	303 Round Bar 0.750	4/23/10	51.00	TST ground	\$3.6000	\$183.60
			Yes	f			

Special Inst: AS ABOVE

PO Total:

\$2,483.68

**MATERIAL CERTIFICATION
REQ'D UPON DELIVERY**

Change Nbr: 1

Change Date: 4/21/10

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

**CERTIFICATE OF COMPLIANCE**

We hereby certify that the material listed below has been used to produce stainless steel tubing in accordance with specifications outlined in ASTM A554-03/EN 10204 3.1.

Type: 304 S1064/23
Size: 0.750"x 0.750"x 0.065"x 240.000"
Finish: As Welded
Your P.O. #: MX2006
Item Code: 50-9781

HEAT NO.:

4HD9

COIL NO.: 044HD9 B

CHEMICAL ANALYSIS (%):

C	Mn	P	S	Si	Cr	Mo	Ni
0.0700	1.6020	0.0310	0.0000	0.3520	18.3180	N/R	8.1370
Cu	Ti	Al	N	Co	Cb		
N/R	N/R	N/R	0.0390	N/R	N/R		

MECHANICAL PROPERTIES:

YIELD STRENGTH	TENSILE STRENGTH	ELONGATION	HARDNESS
P.S.I.	P.S.I.	%	
48530	97700	52.93	85 HRB

Mercury has not been used as an alloying material nor is it present in our processing methods.

Date: 01/21/2010

Q.C. Reviewed
12/01/25/10

Rob Kaminski
Metallurgical Lab Technician



CERTIFICATE OF COMPLIANCE

We hereby certify that the material listed below has been used to produce stainless steel tubing in accordance with specifications outlined in ASTM A554-03/EN 10204 3.1.

Type: 304/304L
Size: 0.750"x 0.750"x 0.065"x 240.000"
Finish: As Welded
Your P.O. #: MX1093
Item Code: 50-9781

HEAT NO.: 803942B

COIL NO.: 3942B1

CHEMICAL ANALYSIS (%):

C	Mn	P	S	Si	Cr	Mo	Ni
0.0230	1.3200	0.0370	0.0020	0.3900	18.1700	N/R	8.0100
Cu	Ti	Al	N	Co	Cb		
N/R	N/R	N/R	0.0000	N/R	N/R		

MECHANICAL PROPERTIES:

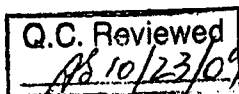
YIELD STRENGTH P.S.I.	TENSILE STRENGTH P.S.I.	ELONGATION %	HARDNESS
46990	97760	54.00	83 HRB

Mercury has not been used as an alloying material nor is it present in our processing methods.

Date: 10/22/2009

Rob Kaminski

Metallurgical Lab Technician



190 Frobisher Drive, Waterloo, Ontario, N2V 2A2
Phone: (519) 746-0088 Fax: (519) 746-3941 (Toll Free: 1-800-563-8823)



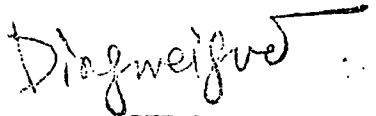
SHANGHAI CRYSTAL PALACE PIPE CO., LTD

ZHONG GANG, NAN HUI, SHANGHAI CHINA ZIP CODE:201302

MILL TEST CERTIFICATE

ISO9001:2000 ;PED Material CERTIFICATE (No.:QAC0021058/A)

DATE OF ISSUE: 2009/11/25

CUSTOMER: MARMON/KEYSTONE CANADA INC.						CERTIFICATE NO. :2009-9-10-A-2					
P.O.NO : MN6487						ORDER NO. :2009-9-010-A					
COMMODITY: STAINLESS STEEL SEAMLESS TUBING						GRADE : ASTM A213-07 TP304/TP304L					
CONDITION: COLD FINISH / SOLUTION TREATED / PICKLED / PLAIN END / OD POLISHED 320 GRIT.						HEAT NO. :TGB090153					
CHEMICAL CONTENTS (WT%)											
ELEMENTS		C	Mn	P	S	Si	Ni	Cr			
SPECIFICATION		≤ 0.035	≤ 2.00	≤ 0.040	≤ 0.030	≤ 0.75	8.0~12.0	18.0~20.0			
RESULTS (LADLE)		0.026	0.85	0.039	0.002	0.32	8.08	18.16			
PHYSICAL PROPERTIES											
Dimensions			Bundle No.	Pieces	Weight (kg)	0.2%YS (Mpa) ≥205	TS (Mpa) ≥515	EL (%) ≥35	FLATTENING TEST	HARDNESS HRB ≤80	EDDY CURRENT TEST TO E426 (100%)
O.D (inch)	W.T (inch)	Length (feet)									
0.500	0.049	20	P09-10-135	200	433	285	605	61.5	OK	72	OK (DRILLED HOLE)
0.750	0.049	20	09-11-22	100	337	385	640	69.0	OK	75	OK (DRILLED HOLE)
REMARKS:						1.WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN TESTED AND THE TEST RESULTS ARE IN COMPLIANCE WITH THE TERMS OF THE PURCHASE ORDER OR CONTRACT					
AS PER ASTM A213-07						2.THE CERTIFICATE SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE COMPANY.					
WALL THICKNESS TOLERANCE AS PER ASTM A269-07						SHANGHAI CRYSTAL PALACE PIPE CO.,LTD					
IN COMPLIANCE TO NACE MR0175-2002						 <div data-bbox="1522 1379 1753 1470" style="border: 1px solid black; padding: 2px;">Q.C. Reviewed AS 01/14/2010</div>					
SOLUTION HEAT TREATMENT :1050°C X 1.5m/min											
IC TEST TO ASTM A262 PRACTICE E											
NO WELD REPAIR WAS PERFORMED											
FREE FROM MERCURY CONTAMINATION						MANAGER OF QUALITY ASSURANCE DEPARTMENT					
COUNTRY OF ORIGIN: CHINA											
MILL TEST CERTIFICATE TO EN 10204/3.1											
INVOICE NO: YK-09-11-50											

検査成績表

(MILL CERTIFICATE)

需要家:

(CUSTOMER) MARMON/KEYSTONE CANADA

注文者: 三京物産株式会社

(SUPPLIER) (SANKYO&CO., LTD.)

品名:

(COMMODITY) SEAMLESS STAINLESS STEEL COLD DRAWN TUBE (NO.115 MEIGUI STREET, SUJIATUN DISTRICT, SHENYANG, P.R. CHINA)

ASTM/ASME A269/A213/SA213 (A.W.) TP304/304L

契約番号: S99CA16-B

(CONTRACT NO.)

寸法: 1/2" OD x 0.035" WT x 20' LG

(SIZE)

発行日: 2009/09/29

(DATE OF ISSUE)

証明書番号: 09-0622

(CERTIFICATE NO.)

需要家管理番号: P.O.# BN6415

(CUSTOMER ORDER NO.)

CASE NO.: 05

製作番号 (Mfg. No.) (三京)	ロット番号 (Lot No.)	製造番号 (Mfg. No.)	製鋼番号 (Heat No.)	数量(Quantity)			引張試験(Tension Test)			硬さ試験 (Hardness Test) HRB	結晶粒度 (Grain Size)	へん平試験 (Flattening)	GOOD
				本数 (No. of Pcs.)	重量 (Mass)	延長 (Total Lengths)	0.2%耐力 (0.2% Y. S.)	引張り強さ (T. S.)	伸び (E.)				
				本(Pcs.)	kg	m	MPa	MPa	(%)				
(SANKYO)	指定単位(Unit Designated)												
	規格 (Specification)		最小(Min)				170	485	35			押し広げ試験 (Flaring)	GOOD
			最大(Max)										
09-09-030	02	S99CA16-B SP	872-2781	90	144		305	615	60.5	72.0		外観寸法試験 (Measurement & surface)	GOOD
09-09-030	03		872-2781	53	85		300	605	61.0	71.8			
09-09-054	01		872-2783	16	26		310	610	60.5	72.0		渦流探傷試験 (Eddy Current)	GOOD
09-09-054	03		3C312	128	205		300	600	61.2	71.5			
								315	605	59.9	71.5		検鏡試験 (Microscopic)
							305	600	61.4	72.0			
			TOTAL	287	460								
化学成分表 (Chemical Composition) %													備考(Remarks) SOLUTION HEAT TREATMENT: 1100℃ × 2.32Min/W.Q EN-10204-3.1 NACE MR-0175
製鋼番号 (Heat No.)	C × 100	Si × 100	Mn × 100	P × 1000	S × 1000	Ni × 100	Cr × 100	Mo × 100	QC REVIEWED NOV 19 2009				
最小(Min)						800	1800						
最大(Max)	3.5	100	200	45	30	1200	2000						
872-2781	3.0	46	158	28	6	810	1845						
872-2783	2.0	38	143	33	12	814	1815						
3C312	2.0	35	177	25	1	800	1821						

上記注文品は、御指定の規格又は仕様に従って製造されその要求事項を満足していることを証明します。
(IT IS HEREWITH CERTIFIED THAT THE ABOVE MATERIALS ARE SATISFACTORY IN COMPLIANCE WITH THE REQUIREMENTS SPECIFIED IN THE CONTRACT.)

総工場長 *Long Zhang*
(MANAGER OF QUALITY SYSTEM SECTION)

Acciaierie Valbruna S.p.A.



**CERTIFICATO DI COLLAUDO
ABNAHMEPRUEFZEUGNIS
INSPECTION CERTIFICATE
CERTIFICAT DE RECEPTION
EN 10204, 3.1**

36100 VICENZA (Italia) - Viale della scienza, 25 z.i.

Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Clienti / Besteller/Kunden/Client
VALBRUNA CANADA LTD
8724 HOLTGATE CRESCENT
CDN-MILTON, ONT L5T 5Z1-CAN

Produttore: ACCIAIERIE VALBRUNA S.P.A.
Hersteller/Hersteller/Hersteller

Avviso di Spedizione: D-VI06011748
Lieferungsgepäck/Frachtbrief/L

Ordine nr: 601/1529 STOCK
Bestell-/Your order/Commande

Certificato nr: MEST349597/2006/
Prüfung/Test/Essai

Confirma ordine nr: E106000877
Werkz/Our Order/Nr.

Marchio di Fabbrica:
Zeichen des Lieferanten
Trade mark
Sigle de l'usine productrice



Oggetto Prove: - Annealed Cold Drawn
Prüfunggegenstand/Inspection/Finissage

Tipo di Elaborazione: E+AOD
Erstellungstyp/Manufact process/Mode d'elaboration

Punzone del Collaudatore:
Stempel des Werkstoffverständigen
Inspector's stamp/Portion de l'essayeur

Specifiche:
Anforderungen / Requirements / Exigences

VAL CANADA 2 304/304L A,CF (0)
ASME SA182 2004 S30400/03 (1)
ASME SA479 2004 S30400/03 (4)
ASTM A262 2002A PRACTICE E
ASTM A320 2005A B8
NACE MR0175 2003 S30400/03 A (8)
(0) AMS 5639 AND ASME (1) SA320: CHEMICAL ANALYSIS ONLY.
(1) Chemical analysis only.
(3) SEC.II PT.A 2004 EDITION ADD 2005
(5) Chemical analysis only.

AMS 5639 H S30400
ASME SA193 2004 B8 (2)
ASTM A182 2005A S30400/03 (5)
ASTM A276 2005A S30400/03
ASTM A479 2005A S30400/03
QQ-S-763 F 304/304L

AMS 5647 H S30403
ASME SA320 2004 B8 (3)
ASTM A193 2006A B8
ASTM A314 97 S30400/03
MIL-S-862 B/1 304/304L

(1) SEC.II PT.A 2004 EDITION ADD.2005
(2) SEC.II PT.A 2004 EDITION ADD.2005
(4) SEC.II PT.A 2004 EDITION ADD.2005
(6) * ISO 15156-3

Qualità: T-304L
Werkstoff/Grade/Qualité

Marca: MYATSL MAXIVAL
Markenbezeichnung/Brand/Marque

Punzonatura: T-304L
Kennzeichnung/Marking/Marque

Pos. nr. Pos. nr. Item nr. Nr. de poste	Oggetto Gegenstand Produit Désignation Objets du produit	Dimensioni - in Abmessungen Dimension Dimensions	Tolleranza Toleranz Tolérance	Lunghezza - in Länge Length Longueur	Colata Schmelze Melt Coulée	Pezzi Stückzahl Pieces Pièces	Peso - LB Gewicht Weight Poids	Lotto nr. Lose Lot nr. Lot nr.
0060	Round	0,2500	484-05A	13 / 13	417162		15.794	603003260

Sono state soddisfatte tutte le condizioni richieste
Die gestellten Anforderungen sind erfüllt
The material has been furnished in accordance with the requirements
Le matériel a été livré conforme aux exigences

Controllo antimiscelazione: OK
Verwechslungprüfung: spezialanalytisch durchgeführt
Ansmixing testing performed: OK
Contrôle antimitage: satisfaisant

Controllo visivo e dimensionale: soddisfa le esigenze:
Sichtprüfung und Ausmessung: ohne Beanstandung
Visual inspection and dimensional checks/satisfactory
Contrôle visuel et dimension: satisfaisant

TEST	Provetta/Probes Ausgangspunkt/Probe Long. diam. mm Grain diam. mm With Grain Thickness Long. diam. mm	°F	Pos. Seggo Lage Position	Snervamento Bruchgrenze Yield Stress Rp 0,2% k.s.i.	Snervamento Streckgrenze Yield Stress Limite élastique	Resistenza Zugfestigkeit Tensile strength Resistance à traction Rm k.s.i.	Allungamento Bruchdehnung Elongation Allongement E 4d %	Strizione Einschnürung Reduction of area Striction RA %	Resilienza Hartschlagtest Impact Value Resilience	Durezza Härte Hardness Dureté HB 1/2 r
Valori richiesti 1 Anforderungen/Required values Valeurs demandées		min max		45	-	90 115	- 30	- 50	-	140 235
A	6,35	68	L	87		115	36	68		233

L-L=longitudinale/längs, Q-transversale/quers, T-tangenziale/tangentiel

Grain size for ASTM E112 : 6

Analisi chimica

Chemische Zusammensetzung/Chemical Analysis/Analyse chimique

Colata/Melt Schmelze/Coulée	min max	0,030	1,00	2,00	18,00 20,00	1,00	1,00	8,00 10,50	0,040	0,030	0,100	-	-	-	-
	C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	P %	S %	N %				
417162	0,022	0,63	1,83	18,11	0,40	0,45	8,14	0,08	0,026	0,026	0,085				

Produced without class I-II Ozone depleting substances.

Solution heat treated free from continuous carbide network.

Annealing temperature: 1960°F for 0,5 H/H₂O.

Micro and macro etch test: OK

Intergranular corrosion test per ASTM A262 pract. E: ok.

Melted and manufactured in Italy No welding or weld repair Material free from Mercury or radio-activity contamination
The Quality Management System is Certified acc. Pressure Equipment Directive (97/23/EC) Annex 1.3.4.3 by TUEV and LLOYD S

Q.C. Reviewed
JUN 06 2006

Vicenza, 04/05/06 Mod. VCO006	Il collaudatore di stabilimento / der Werkstoffverständiger/Works inspector / L'agent d'usine M. Rizzotto	Pagina - 1 di 1
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Acciaierie Valbruna S.p.A.



36100 VICENZA (Italia) - Viale della scienza, 25 z.i.
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Cliente / Besteller/Purchaser/Cliant
VALBRUNA CANADA LTD
8724 HOLGATE CRESCENT
CDN-MILTON, ONT L5T 5Z1-CAN

Produttore: ACCIAIERIE VALBRUNA S.P.A.
Hersteller/Item/Usine productrice

Avviso di Spedizione: D-VI08012179
Lieferanzeige/Packing list/B.L.

Ordine nr: 804001953 STOCK
Bestell./Your order/Commande

Tipo di Elaborazione: E+AOD
Erneuerungsart/Refining process/Mode d'elaboration

CERTIFICATO DI COLLAUDO
ABNAHMEPRUEFZEUGNIS
INSPECTION CERTIFICATE
CERTIFICAT DE RECEPTION
EN 10204 (2005) , 3.1

Certificato nr: MEST623833/2008/
Prüfung/Test/Essai

Conferma ordine nr: EI08003081
Werkz./Our Order/Ref. n.

Marchio di Fabbrica:
Zeichen des Lieferwerkes
Trade mark
Sigle de l'usine productrice



Punzone del Collaudatore:
Stempel des Werkssachverständigen
Inspector's stamp/Pointon de l'essayeur



Oggetto Prove: - Annealed Cold Drawn
Prüfgegenstand/Item inspected/Échantillon

Specifiche:
Anforderungen / Requirements / Exigences
VAL CANADA 2 303 A,CF
ASTM A314 97 S30300
DOD-F-24669 6 S30300
(0) SEC.II PT.A 2007 EDITION

AMS 5640 U TYPE1
ASTM A320 2007A B8F
MIL-S-862 B/1 303

ASME SA320 2007 B8F (0)
ASTM A582 2005 S30300
QQ-S-764 B/2 303

OK 9.10.04.23

Qualität: T-303
Werkstoff/Grade/Numéro

Marca: MY188ZHS MAXIVAL
Markenbezeichnung/Brand/Nuance

Punzonatura: T-303
Kennzeichnung/Marking/Marquage

Pos. nr. Pos. nr. Item nr. Nr. de poste	Oggetto Gegenstand Product description Descript. du produit	Dimensioni - In Abmessungen Dimension Dimension	Tolleranza Toleranz Allowance Tolerance	Lunghezza - In Länge Length Longueur	Colata Schmelze Heat Coulée	Pezzi Stückzahl Pieces Pièces	Peso - LB Gewicht Weight Poids	Lotto nr. Losnr. Lot nr. Lot nr.
0051	Round	0,7500	484-06B	148 / 148	246473		10.344	734900090

Sono state soddisfatte tutte le condizioni richieste
Die gestellten Anforderungen sind it. Anlage erfüllt
The material has been furnished in accordance with the requirements
Le matériel a été trouvé conforme aux exigences

Controllo antimiscelazione: OK
Verwechslungsprüfung: spektralanalytisch durchgeführt
Antimixing testing performed: OK
Contrôle antimélange: r.a.s.

Controllo visivo e dimensionale: soddisfa le esigenze:
Besichtigung und Ausmessung: ohne Beanstandung
Visual inspection and dimensional checks: satisfactory
Contrôle visuel et dimensionnel: satisfaisant

TEST	Provetta / Probe Spezimen / Échantillon Lap. diam. Spec. Lap. diam. Spec. Lap. diam. Spec. Lap. diam. Spec. mm	°F	Posiz. Saggio Position / Lage 1)	Snervamento Streckgrenze Yield Stress Limite élastique Rp 0,2% k.s.i.	Snervamento Streckgrenze Yield Stress Limite élastique	Resistenza Zugfestigkeit Tensile strength Résistance à traction Rm k.s.i.	Allungamento Bruchdehnung Elongation Allongement E 4d %	Strizione Bruchdehnung Reduction of area Striction RA %	Resilienza Härte Impact Value Resilience	Durezza Härte Dureté HB
Valori richiesti 1 Anforderungen/Required values Valeurs demandées		min max		30	-	75	-	35	-	140 241
A	12,5	68	L	68		101	41	52		240

1) L=longitudinale/längs, Q=transversale/quers, T=Tangenziale/tangentiel

Analisi chimica

Chemische Zusammensetzung/Chemical Analysis/Analyse chimique

Colata / Heat Schmelze / Coulée	min - max 0,150	1,00	2,00	17,00 19,00	0,80	1,00	8,00 10,00	0,15	0,15 0,40	0,40	-	-	-	-
	C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	P %	S %	Zr %			
246473	0,040	0,42	1,74	17,20	0,51	0,49	8,21	0,100	0,03	0,32	0,01			

Produced without class I-II Ozone depleting substances.

Solution heat treated free from continuous carbide network.

Annealing temperature: 1940°F for 0.5h/water.

Micro and macro etch test: OK

Material is DFARS Compliant

Melted and manufactured in Italy No welding or weld repair Material free from Mercury or radio-activity contamination
The Quality Management System is Certified acc. Pressure Equipment Directive [97/23/EC] Annex 1,s,4,3 by TUEV and LLOYD'S

O.C. Reviewed
06/27/08

Vicenza, 30/04/08 VCO008 (Mod. MCER)	Il collaudatore di stabilimento / der Werkssachverständige / Works inspector / L'agent d'usine M. Rizzotto	Pagina - 1 di 1
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Acciaierie Valbruna s.p.A.



CERTIFICATO DI COLLAUDO
ABNAHMEPRUEFZEUGNIS
INSPECTION CERTIFICATE
CERTIFICAT DE RECEPTION
EN 10204 (2005) , 3.1

36100 VICENZA (Italia) - Viale della scienza, 25 z.l.
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Cliente / Besteller/Purchaser/Client
VALBRUNA CANADA LTD
8724 HOLGATE CRESCENT
L5T 5Z1-MILTON, ONT L5T 5Z1-CAN

Produttore: **ACCIAIERIE VALBRUNA S.P.A.**
Hersteller/Hersteller/Usine productrice

Avviso di Spedizione: D-VI09010751
Lieferanzuge/Packing list/B.L.

Ordine nr.: 904002237 Stock - Canada
Bestel/Your order/Commande

Certificato nr.: MEST746116/2009/
Prüfung/Test/Essai

Conferma ordine nr.: EI09002088
Werkz/Our Order/Ref. nr.

Marchio di Fabbrica:
Zeichen des Lieferwerkes
Trade mark
Sigle de l'usine productrice



Punzone del Collaudatore:
Stempel des Werksachverständigen
Inspector's stamp/Personne de l'assesseur



Oggetto Prove: - Annealed Cold Drawn
Prüfgegenstand/Item inspected/Prüfgegenstand

Tipo di Elaborazione: E+AOD
Erschmelzungs-/Meltung process/Mode d'elaboration

Specifiche:
Anforderungen / Requirements / Exigences

VS1 0 303 HS A,CF
ASME SA320 2007 B8F 0
ASTM A370 2009
QQ-S-764 B/2 303 A
(0) SEC.II PT.A 2007 EDITION ADD. 2008a
(1) Chemical analysis only.

AMS 5640 U S30300 A
ASTM A314 2008 S30300
ASTM A582 2005 S30300 A

AMS 5640 U TYPE1 A
ASTM A320 2008 B8F (1)
MIL-S-862 B/1 303

0Chemical analysis only.

Qualità: T-303
Werkstoff/Grade/Qualité

Marca: MV188ZHS MAXIVAL
Markenbezeichnung/Brand/Numéro

Penzonatura: 303
Kennzeichnung/Marking/Markierung

Pos. nr. Pos. nr. N. de poste	Oggetto Gegenstand Product description Descr. du produit	Dimensioni Dimensions Dimension	Tolleranza Tolerance Tolerance	Penzonatura Kennzeichnung/Marking/Markierung	Colata Gussstück Heat Coulée	Pezzi Stückzahl Pieces Pièces	Peso - LB Gewicht Weight Poids	Lotto nr. Losn. Lot nr. Lot n.
0010	Round	0,5000	464-06B	145 / 145	422802		2,571	818603790

Sono state soddisfatte tutte le condizioni richieste
Die gestellten Anforderungen sind lt. Anlage erfüllt
This material has been furnished in accordance with the requirements
Le matériel a été livré conforme aux exigences

Controllo antimescolanza: OK
Verwechslungsprüfung: spektralanalytisch durchgeführt
Anmixing testing performed: OK
Contrôle antimeslange fait: r.a.s.

Controllo visivo e dimensionale: soddisfa le esigenze
Beachtung und Abmessung: ohne Beanstandung
Visual inspection and dimensional checks satisfactory
Contrôle visuel et dimensionnel: satisfaisant

TEST	Prove/Prüfung Spezimen/Exemplar Proof Specimen Epreuve Long. diam. / Thickn. Long. diam. / épaisseur mm	° F	Posiz. Stagge nummer Position mm	Snervamento Streckgrenze Yield Stress Limite élastique Rp 0,2% k.s.l.	Snervamento Streckgrenze Yield Stress Limite élastique	Resistenza Zugstärke Tensile strength Résistance à traction Rm k.s.l.	Allungamento Bruchdehnung Elongation Allongement E 4d %	Strizione Einziehdehnung Reduction of area Séduction RA %	Resilienza Kerbschlagarbeit Impact Value Résilience	Durezza Härte Hardness Dureté HB
	Valori richiesti 1 Anforderungen/Required values Valeurs demandées	min max								140 255
A	12,5	68	L	85		110	37	52		253

1) L=longitudinale/Längs, T=transversale/quers, C=Transversale/tangentiel

Mechanical properties according to ASTM A370.

Grain size for ASTM E112 : 5

Analisi chimica

Chemische Zusammensetzung/Chemical Analysis/Analyse chimique

Colata / Heat Gussstück / Heat Coulée	min 0,030 max 0,050	0,20 1,00	1,50 2,00	17,00 19,00	0,60 1,00	8,00 10,00	0,100 0,40	0,32 0,40	0,4000	-	-	-	-
	C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	P %	S %	Zr %		
422802	0,042	0,44	1,81	17,42	0,41	0,63	8,20	0,09	0,027	0,34	0,0044		

Produced without class I-II Ozone depleting substances.

Solution heat treated free from continuous carbide network.

Annealing temperature: 1940°F for 0.5 h/water.

Micro and macro etch test: OK

Material is DFARS Compliant

Melted and manufactured in Italy No welding or weld repair Material free from Mercury contamination

We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.

The Quality Management System is Certified acc. Pressure Equipment Directive (97/23/EC) Annex 1.5.4.3 by TÜV and LLOYD'S

MARMON / KEYSTONE

Q.C. REVIEWED	
DATE	INITIAL
08/09	JA

Vicenza, 07/05/09 VC0008 (Mod. MCER)	Il collaudatore di stabilimento / der Werksachverständige / Works inspector / L'agent d'usine M. Rizzotto	Pagina - 1 di 1
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